

HoverJack® Devices

HoverJack® Air Patient Lift

Evacuation HoverJack® Device

Evacuation HoverJack® II Device

From HoverTech International

User Manual
(Air200G / Air400G)




HOVERJACK®


HOVERJACK®
Evacuation


HOVERJACK®
Evacuation II

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HOVERJACK® DEVICES USER MANUAL

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HOVERJACK® DEVICES USER MANUAL

Symbol Reference



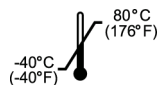
Attention! Please read accompanying documents.



This End Up



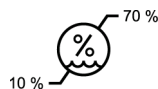
Type BF Applied Part



Temperature



Declaration of Conformity to Medical Device Directive



Humidity



Functional Earth (Ground)



Keep Dry



Alternating Current



CSA Certified
C US
CSA C22.2 No. 601.1, UL-60601-1

HOVERJACK® DEVICES USER MANUAL

Intended Use and Precautions

This manual is for the HoverJack® Air Patient Lift, Evacuation HoverJack® and Evacuation HoverJack® II when used with the AIR200G or AIR400G Air Supplies.

- **Indications:**
Patients unable to assist in their own vertical lift, such as after a fall. Patients whose weight or girth poses a potential health risk for the caregivers responsible for lifting or moving said patients.
- **Contraindications:**
Patients who are experiencing thoracic, cervical or lumbar fractures that are deemed unstable, unless using in conjunction with a spinal board.
- **Intended Care Settings:**
Hospitals, long term or extended care facilities
- **Precautions:**

Make sure Patient Safety Straps are secured before moving.

Never use Patient Safety Straps to pull the HoverJack Devices as they may tear.

Move the HoverJack Devices using the Transport or Steering Straps and/or the handles located along the top perimeter.

When moving a patient on the inflated HoverJack Devices, use caution and move slowly.

Additional caregivers are recommended when moving a patient over 750 lbs/340 kg.

Additional caregivers are recommended when evacuating a patient over 250 lbs/113 kg.

Never attempt to move a patient on an un-inflated HoverJack Device.

Route the power cord in a manner to ensure freedom from hazard.

Avoid blocking the air intakes of the HoverTech International Air Supply.

Never leave patient unattended on an inflated device.



HOVERJACK® DEVICES USER MANUAL

Intended Use and Precautions

- Precautions: (continued)

Someone should be with the patient at all times while inflating and using the HoverJack Devices.

Use this product only for its intended purpose as described in this manual. Only use attachments and/or accessories that are authorized by HoverTech International.

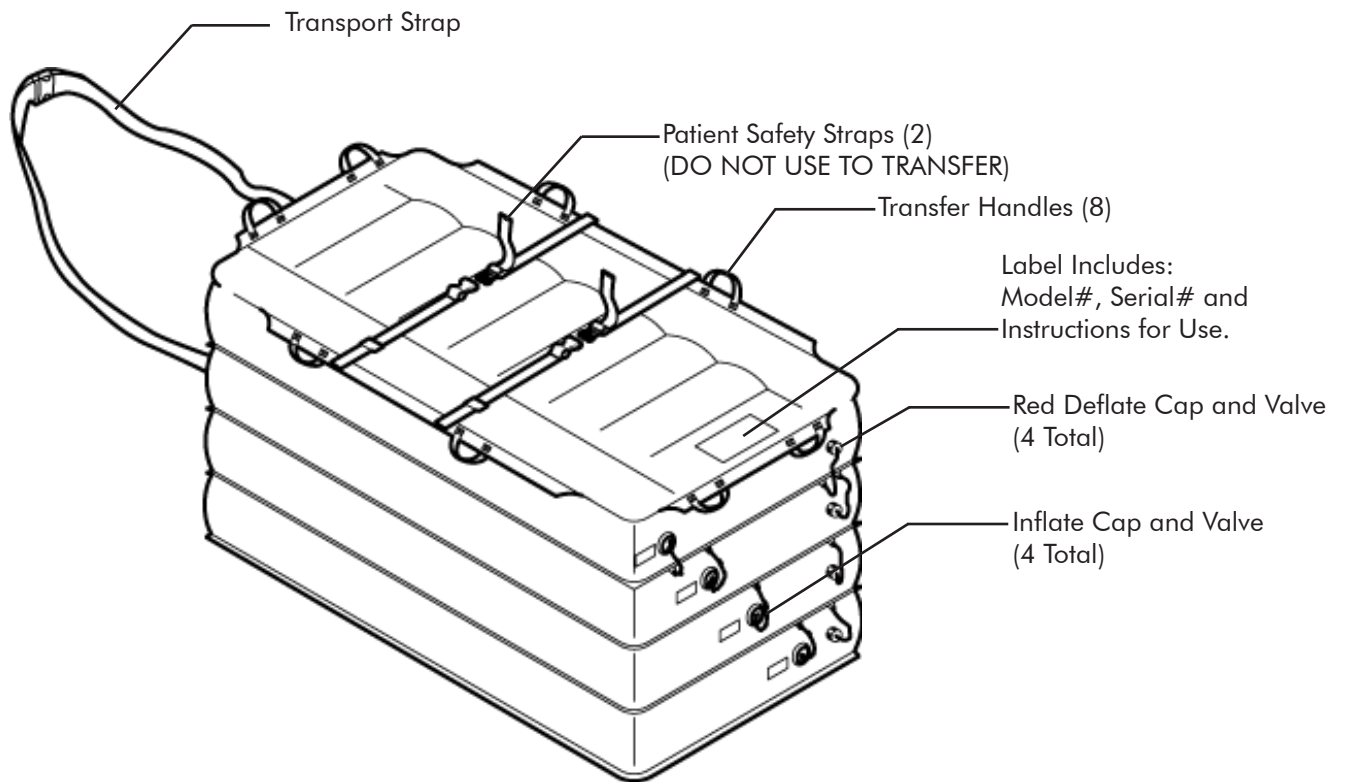
WARNING: For safety, always use a minimum of two caregivers while using the HoverJack Devices.

CAUTION: Avoid electric shock. Do not open HoverTech International Air Supply.

WARNING: Reference product specific user manuals for additional operating instructions.

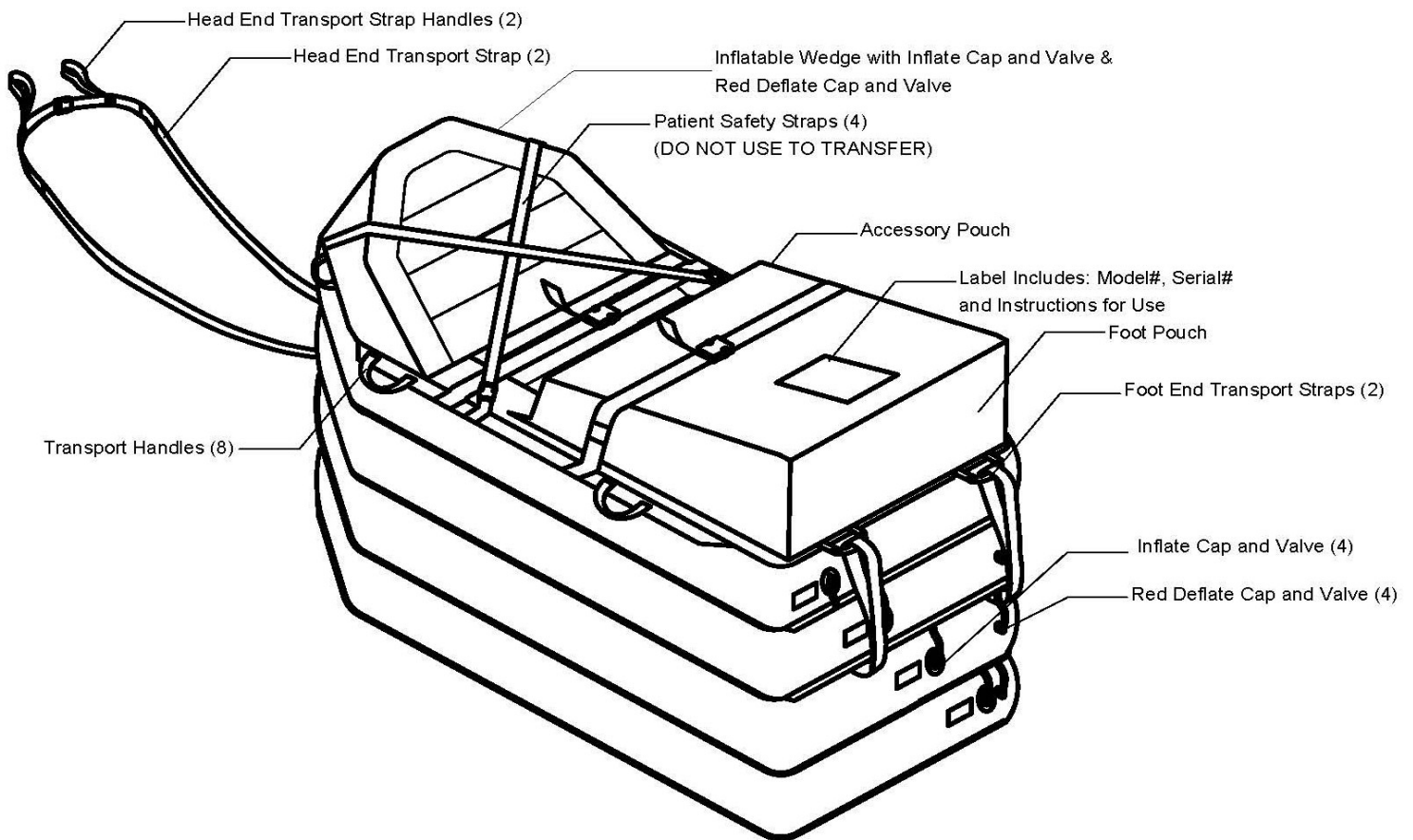
HOVERJACK® DEVICES USER MANUAL

Part Identification - HoverJack® Air Patient Lift



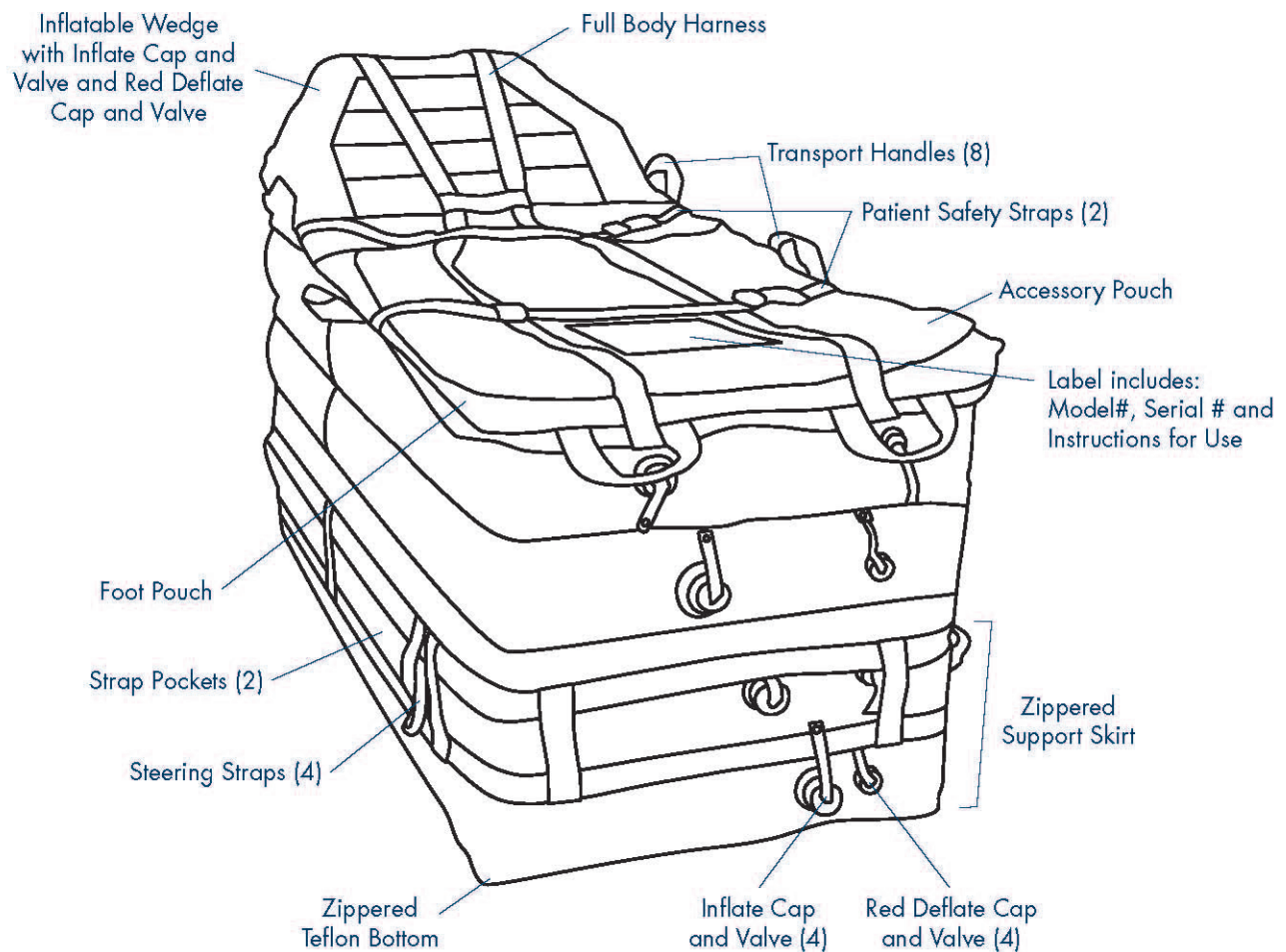
HOVERJACK® DEVICES USER MANUAL

Part Identification - Evacuation HoverJack® Device



HOVERJACK® DEVICES USER MANUAL

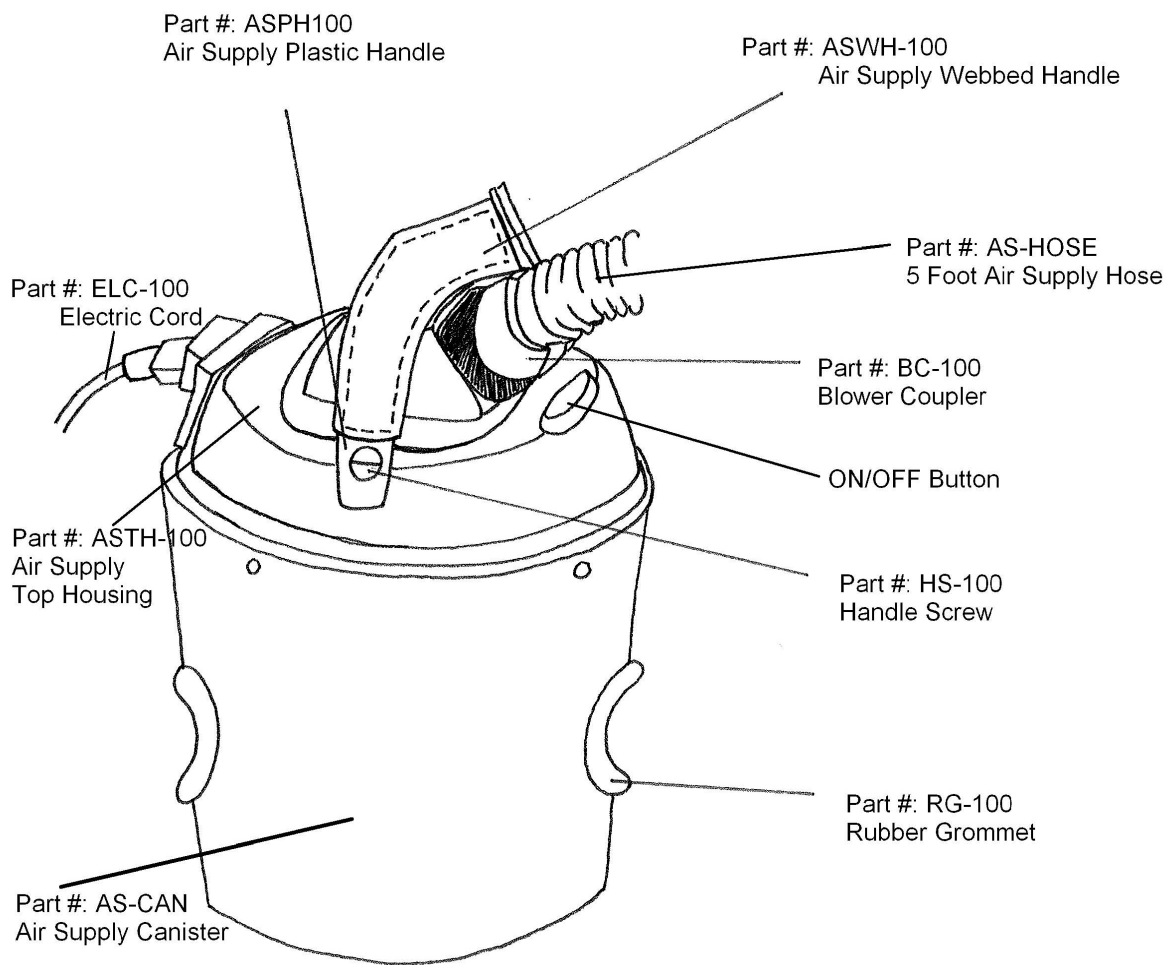
Product Identification - Evacuation HoverJack® II Device



HOVERJACK® DEVICES USER MANUAL

Part Identification - AIR200G and AIR400G Air Supplies

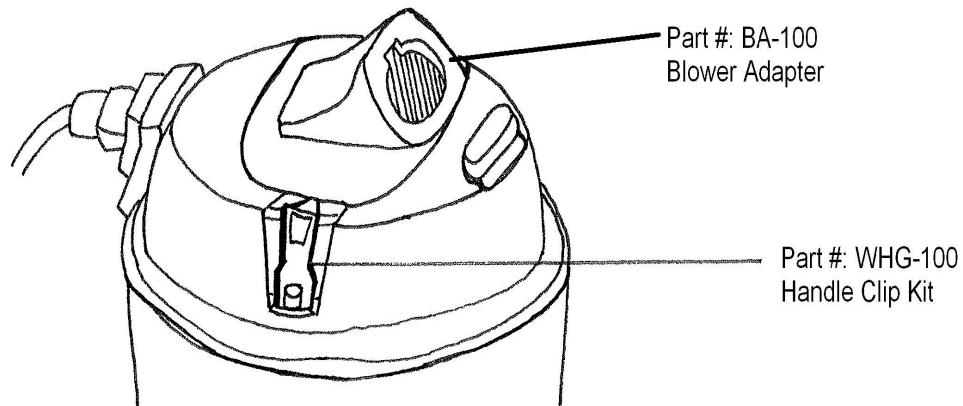
HoverTech International Air Supply Unit



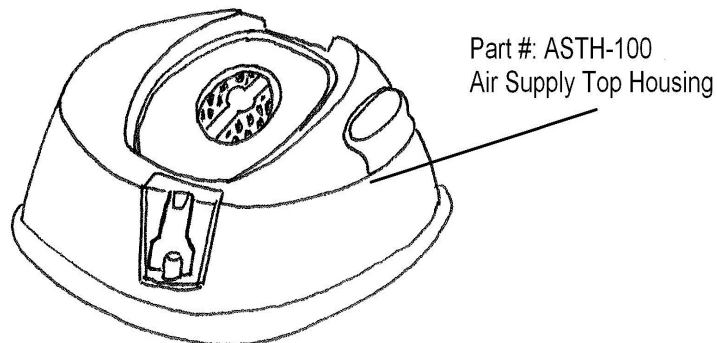
Hose Attached

HOVERJACK® DEVICES USER MANUAL

Part Identification - AIR200G and AIR400G Air Supplies



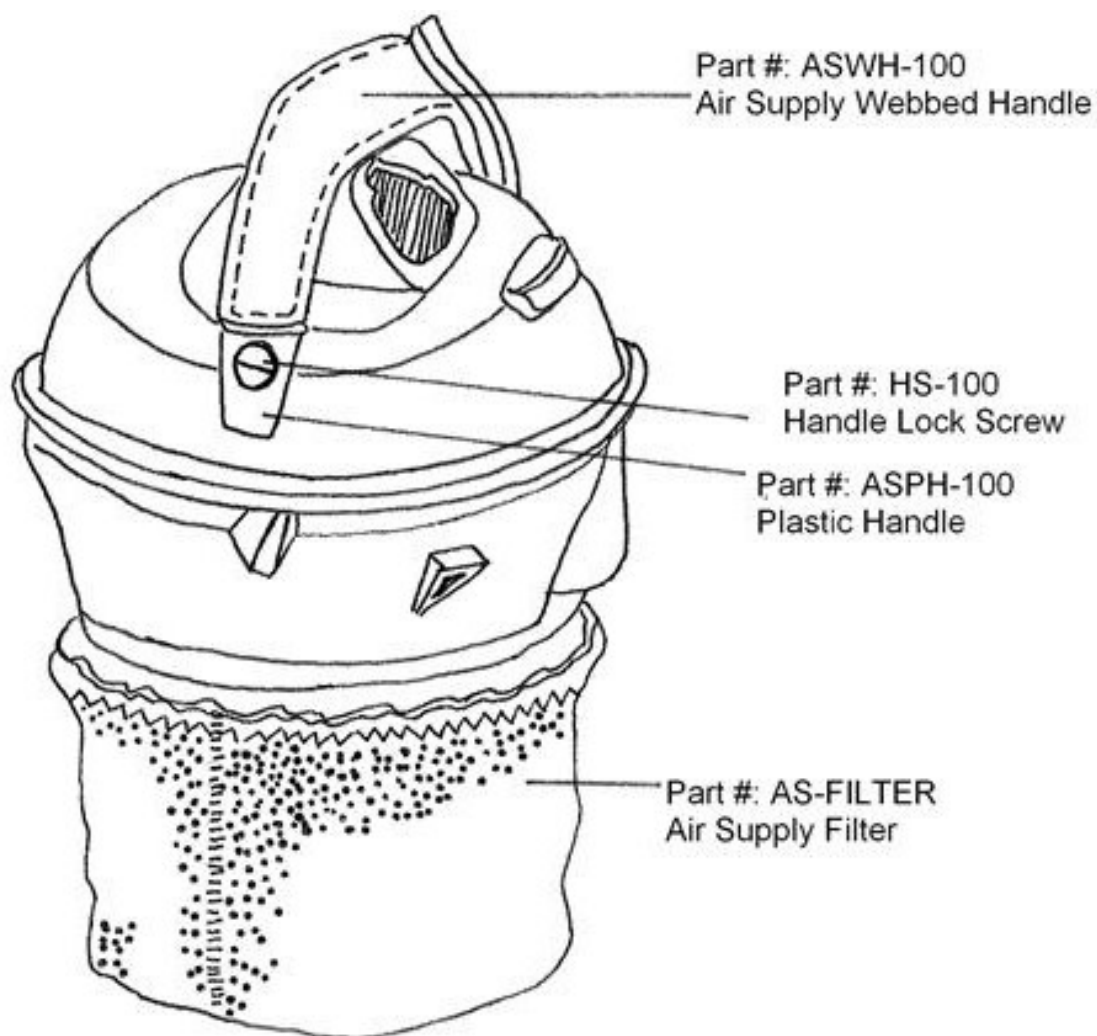
HANDLE REMOVED



BLOWER ADAPTER(BA-100) REMOVED

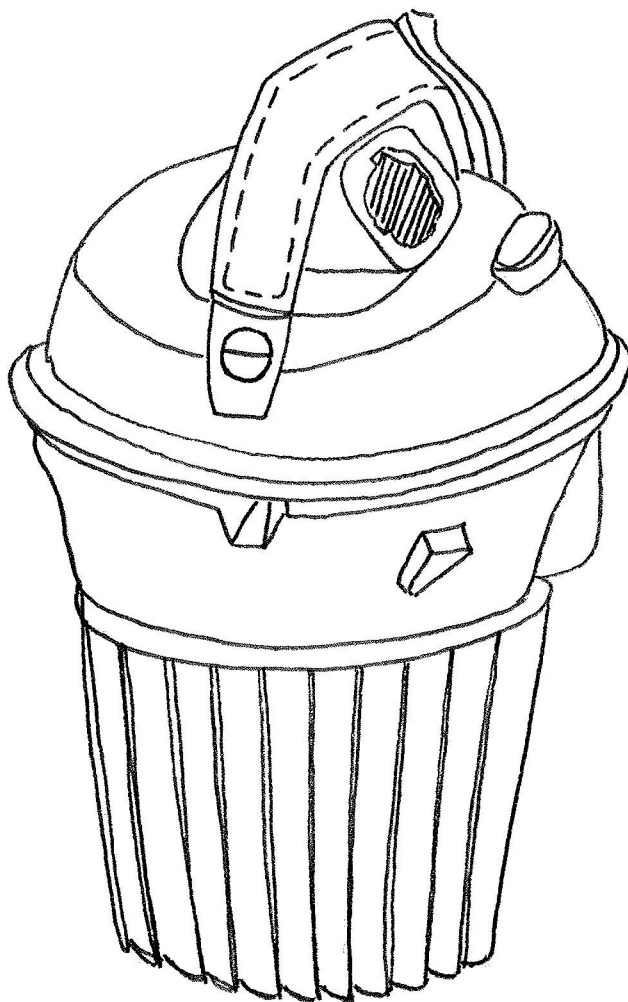
HOVERJACK® DEVICES USER MANUAL

Part Identification - AIR200G and AIR400G Air Supplies



HOVERJACK® DEVICES USER MANUAL

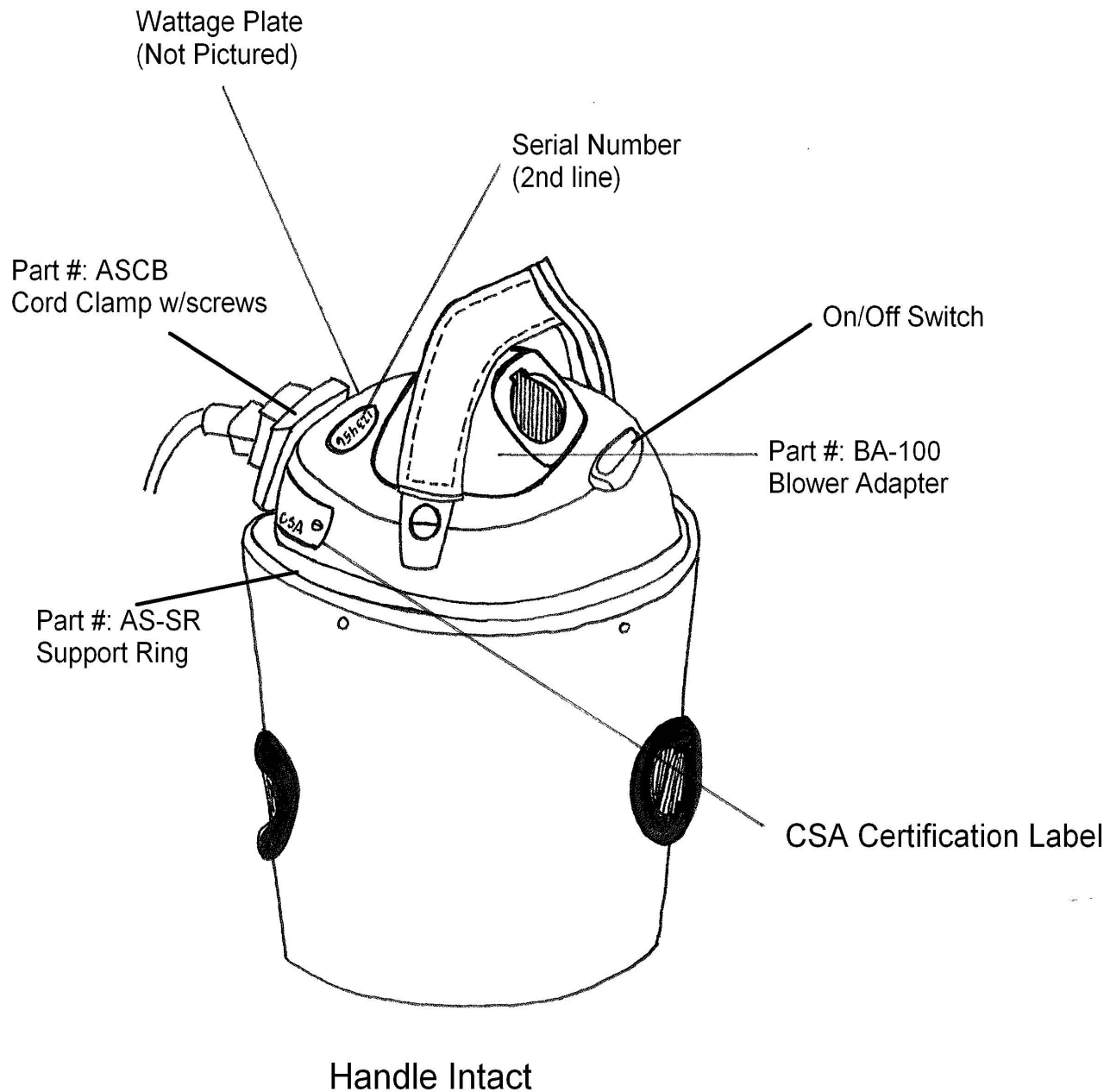
Part Identification - AIR200G and AIR400G Air Supplies



METAL BOTTOM AND
FILTER REMOVED

HOVERJACK® DEVICES USER MANUAL

Part Identification - AIR200G and AIR400G Air Supplies



HOVERJACK® DEVICES USER MANUAL

Instructions for Use - HoverJack® Air Patient Lift

Applies to all HoverJack Devices when used as a patient lift.

1. Place HoverJack® air patient lift on floor next to the patient, making sure the chamber with Valve #4 is on the top and the chamber with Valve #1 is against the floor.

For safety, always use a minimum of two caregivers when operating the HoverJack® air patient lift.

2. Make certain that all four red-capped deflation valves are capped tightly to maintain inflation.
3. Log roll patient onto the deflated HoverJack® air patient lift and position patient with feet at the valve end where indicated.
4. The patient can be placed on top of the HoverJack® air patient lift using the HoverMatt® Air Transfer System. (See HoverMatt® Manual for instructions). If the HoverMatt® is used, make certain that the HoverMatt® and patient are properly centered on the HoverJack® air patient lift. Always deflate the HoverMatt® air transfer system prior to inflating the HoverJack® air patient lift. Using buckles, secure patient safety straps around the patient.
5. Plug HoverTech International Air Supply power cord into an electrical outlet.
6. Hold hose against inlet Valve #1 of HoverJack® air patient lift.
7. Turn on HoverTech International Air Supply to begin inflation with Valve #1.
8. When fully inflated, remove hose. Valve will automatically close, keeping chamber inflated.
9. Using the same process, move to Valve #2, Valve #3 and Valve #4 in exact succession, or until the HoverJack reaches bed or stretcher height.
10. Turn off HoverTech International Air Supply, and attach Valve caps, if desired.
11. Transfer from HoverJack® air patient lift onto adjacent surface using the HoverMatt® air transfer system. Transfer without the HoverMatt® air transfer system may increase risk of injury.
12. If it is necessary to lower patient down to the floor, release air by opening the uppermost red deflate Valve #4. When chamber #4 is fully deflated, move in succession downward to fully deflate HoverJack® air patient lift. Caution: DO NOT RELEASE MULTIPLE CHAMBERS AT ONCE.

NEVER LEAVE PATIENT UNATTENDED ON INFLATED HOVERJACK® AIR PATIENT LIFT.



HOVERJACK® DEVICES USER MANUAL

Instructions for Use - Evacuation HoverJack® Device

Applies to Evacuation HoverJack only

1. Place Evacuation HoverJack on the floor next to the patient's bed or stretcher, making sure the chamber with Valve #1 is against the floor. The end with the four Valves should be positioned at the foot end of the bed or stretcher. Make certain that all four red deflate valves are capped tightly, and all straps are unbuckled.
2. Plug in HoverTech Air Supply. Hold hose against inlet Valve #1 of Evacuation HoverJack and turn on HoverTech Air Supply to inflate. When fully inflated, remove hose. Valve will automatically close, keeping chamber inflated. **CHAMBERS MUST BE FULLY INFLATED TO ENSURE STABILITY.**
3. Using the same process, move to Valve #2, Valve #3 and Valve #4 in succession or until Evacuation HoverJack reaches bed height. Turn off HoverTech Air Supply and unzip the foot end pouch.
4. With Evacuation HoverJack positioned as close as possible to adjacent surface, transfer patient from bed or stretcher onto Evacuation HoverJack. Ensure that the patient's body is centered, and zip foot pouch. If necessary, inflate the head end wedge. Using the buckles, secure safety straps over the patient and adjust until taut.
5. Using foot end pull straps and handles located around the perimeter of the Evacuation HoverJack, pull patient to the nearest stairwell, and position the Evacuation HoverJack so that the patient can be taken down the stairs feet first. Unbuckle head end pull straps and loop through head end handles (left and right, respectively) to stabilize Evacuation HoverJack for descent.
6. Before descending the stairs, chambers 3 and 4 must be fully deflated. To release air, slowly open the uppermost red deflate Valve #4. When chamber #4 is fully deflated, repeat the process for chamber #3. **DO NOT RELEASE MULTIPLE CHAMBERS AT ONCE.**
7. The caregiver at the head end will control the evacuation using the head end pull straps. It is recommended that the caregiver at the head end is the physically stronger person. **A MINIMUM OF 2 CAREGIVERS (ONE AT HEAD END AND ONE AT FOOT END) SHOULD BE USED TO EVACUATE THE PATIENT DOWN THE STAIRS.**
8. While the caregiver at the head end holds the head end pull strap and handles, the foot end caregiver will begin to pull the patient down the stairs with the foot end pull strap. The Teflon-infused bottom material will allow the Evacuation HoverJack to slide down each flight. If necessary, the foot end caregiver can use his/her thigh to brace the Evacuation HoverJack and slow the descent. Once at ground level, move the patient to safety. **ENSURE THAT PATIENT REMAINS CENTERED ON THE EVACUATION HOVERJACK, AND THAT HIS/HER HEAD DOES NOT SLUMP FORWARD AND RESTRICT BREATHING DURING EVACUATION.**

NEVER LEAVE PATIENT UNATTENDED ON INFLATED EVACUATION HOVERJACK®.

HOVERJACK® DEVICES USER MANUAL

Instructions for Use - Evacuation HoverJack® II Device

Applies to Evacuation HoverJack II only

1. Place Evacuation HoverJack II on floor next to patient's bed or stretcher, making sure chamber with Valve #1 is against floor. End with four valves should be positioned at foot end of bed or stretcher. Make certain that all four red deflate valves are capped tightly and patient safety straps are unbuckled.
2. Plug in HoverTech Air Supply. Hold hose against inlet Valve #1 of Evacuation HoverJack II and turn on HoverTech Air Supply to inflate. When fully inflated, remove hose. Valve will automatically close, keeping chamber inflated. **CHAMBERS MUST BE FULLY INFLATED BEFORE PROCEEDING TO SUBSEQUENT CHAMBERS, TO ENSURE STABILITY.**
3. Using same process, move to Valve #2, Valve #3 and Valve #4 in succession, or until Evacuation HoverJack II reaches bed height. When all necessary chambers are fully inflated, turn off HoverTech Air Supply and unzip foot end pouch.
4. With Evacuation HoverJack II positioned as close as possible to adjacent surface, transfer patient from bed or stretcher onto Evacuation HoverJack II. Ensure patient's body is centered, and zip foot pouch. If necessary, inflate head end wedge. Using buckles, secure safety straps over patient and adjust until taut.
5. Using foot end steering straps and transport handles, pull patient to nearest stairwell, and position Evacuation HoverJack II so patient can be taken down stairs feet first.
6. Before descending stairs, chambers 3 and 4 must be fully deflated. To release air, slowly open uppermost red deflate Valve #4. When chamber #4 is fully deflated, repeat process for chamber #3. **DO NOT RELEASE MULTIPLE CHAMBERS AT ONCE.**
7. Caregiver at head end will control evacuation using head end steering straps. It is recommended that caregiver at head end is physically stronger person. **A MINIMUM OF 2 CAREGIVERS (ONE AT HEAD END AND ONE AT FOOT END) SHOULD BE USED TO EVACUATE PATIENT DOWN STAIRS.**
8. While caregiver at head end holds head end steering straps and handles, foot end caregiver will begin to pull patient down stairs with foot end steering straps. Teflon-infused bottom material will allow Evacuation HoverJack II to slide down each flight. If necessary, foot end caregiver can use his/her thigh to brace Evacuation HoverJack II and slow descent. Once at ground level, move patient to safety. **ENSURE THAT PATIENT REMAINS CENTERED ON EVACUATION HOVERJACK II, AND THAT HIS/HER HEAD DOES NOT SLUMP FORWARD AND RESTRICT BREATHING DURING EVACUATION.**

NEVER LEAVE PATIENT UNATTENDED ON INFLATED EVACUATION HOVERJACK® II.

HOVERJACK® DEVICES USER MANUAL

Product Specifications/Required Accessories

- Classification:
Not for use in the presence of flammable anesthetics, in a hyperbaric chamber, or oxygen tent.

Type of protection against electric shock: CLASS I EQUIPMENT

Degree of protection against electric shock: TYPE BF APPLIED PART

Protection against ingress of water: Ordinary (not protected).

Mode of operation: CONTINUOUS OPERATION

To remove supply mains, unplug equipment from wall
- Patient weight limits:
HoverJack® Air Patient Lift -1200 lbs (544 kg)
Evacuation HoverJack /Evacuation HoverJack II - 700 lbs (318 kg) for stairwell evacuation
1200 lbs (544 kg) for vertical lift
- Power Input: 120 V~, 60 Hz (North American version)
- Air Supply: CSA certified against UL-60601-1
- Air Supply Weight: 11 lbs. (5 kg)
- Air Supply Material: Non-corrosive 304 stainless steel canister
- Power Cord Length: 14 ft. (427cm)
- Air Supply Filter Two (2) micron filter
- Hose Spring-wired helix hose covered with PVC

HOVERJACK® DEVICES USER MANUAL

Product Specifications/Required Accessories

HoverJack / Evacuation HoverJack

Material:	Topside Material: Nylon oxford Underside Material: Teflon® impregnated polyester
Construction:	RF-Welded
Width:	HoverJack® Air Patient Lift - 32" (81cm) or 39" (99 cm) Evacuation HoverJack - 32" (81cm) only
Length:	72" (183 cm)
Height:	30" (76 cm) Inflated [each chamber 7 1/2" (19 cm)]

Evacuation HoverJack II

Material:	Topside Material: Nylon oxford / nylon Skirt: Cordura® fabric Underside Material: Teflon® impregnated polyester
Construction:	RF-Welded
Width:	32" (81cm)
Length:	72" (183 cm)
Height:	30" (76 cm) Inflated (each chamber 7 1/2" [19 cm])

Required Accessory:

HoverTech International Air Supply

Part# AIR200G (800W)

Part# AIR400G (1100W)

Optional Accessory:

HoverJack® Storage and Transport Cart – The cart is designed to hold the Air Supply in the top basket and HoverJack or Evacuation HoverJack in the lower basket. The cart has wheels for easy transport and is the perfect way to store the HoverJack for easy access in an emergency.

Part #:HJC-200; HoverJack Cart

All HoverTech International Products are Latex-Free.
For a full product listing go to www.HoverMatt.com.



HOVERJACK® DEVICES USER MANUAL

Cleaning & Maintenance

HoverJack / Evacuation HoverJack / Evacuation HoverJack II Cleaning Instructions

The HoverJack Devices are constructed of nylon oxford. The HoverJack air patient lift can be wiped down with phenolic disinfectants, quaternaries, or other similar type solutions as per hospital protocol for stretchers, OR pads and/or bed mattresses.

Note: The HoverJack Air Patient Lift may be covered with a sheet or other protective piece to help keep it clean. If using a protective sheet while moving a patient, make sure it doesn't get caught under the HoverJack Air Patient Lift. This could be a potential hazard.

*Do not launder the HoverJack Devices.

Maintenance Instructions

The HoverJack Devices should be periodically inspected to ensure the following:

- All deflation valves are equipped with a red cap.
- The red caps are intact.
- All patient safety straps are attached.
- All buckles and zippers (if applicable) are intact and operational.
- Pull handles are all attached.
- Inflation valves are all self-sealing with no evident leakage.
- There are no punctures or tears.

Air Supply Cleaning and Maintenance*

The Air Supply has a 2 micron filter over the motor. This filter can be accessed by removing the three small screws holding the canister to the motor. If desired, this filter may be soaked with any germicidal solution.

*Do not spray cleaners or liquids directly on the Air Supply.

NOTE: CHECK YOUR LOCAL/STATE/FEDERAL/INTERNATIONAL GUIDELINES BEFORE DISPOSAL.

HOVERJACK® DEVICES USER MANUAL

Frequently Asked Questions

1. *Can you over-inflate a HoverJack Device and cause it to burst?*

No, not if you are using the HoverTech International Air Supply. The HoverJack Devices have been tested under conditions that would “over-inflate” using this air supply.

2. *If you open the red-capped valves, do the HoverJack Devices deflate very quickly, causing them to be unstable and the patient to fall?*

Yes, if you open the red-capped valves all at one time. However, opening the red-capped valves one at a time, beginning at the top chamber, permits the HoverJack Device to deflate rather slowly, but steadily. The HoverJack Device remains stable when deflated properly.

3. *If we want the HoverJack Device to lift the patient a moderate amount, do all of the chambers have to be inflated for it to be stable?*

No. The HoverJack Devices are made to be stable regardless of how many chambers are inflated. However, the chambers **MUST** be inflated consecutively from the floor up. In other words, if you only want to inflate 3 chambers, you must inflate chambers 1, 2 & 3.

HOVERJACK® DEVICES USER MANUAL

Warranty Statement

The HoverJack® Air Patient Lift, Evacuation HoverJack® Device, the Evacuation HoverJack® II Device, and the HoverTech International Air Supplies are warranted to be free from defects in materials and workmanship for (1) one year. Warranty begins on date of in-service by a HoverTech International representative or shipment date.

In the unlikely event that a problem arises as a result of a defect in materials or workmanship, we will promptly repair your item or replace it if we feel that it cannot be repaired – at our expense and discretion using current models or parts performing the equivalent function – upon receipt of the original item to our repair department. You must pre-notify HoverTech International by phone (800-471-2776). Item is to be insured by you against loss during transportation and must be shipped with transportation and/or broker charges prepaid. Should any HoverTech International product be returned, which is not covered under warranty, there will be a minimum \$100 service charge plus shipping costs. Lead-time for repairs is approx. 2 weeks. Please refer to the Return and Repairs section of this Manual for return instructions.

This warranty is not an unconditional guarantee for the life of the product. Our warranty does not cover product damage that may result from use contrary to Manufacturer's instructions or specifications, misuse, abuse, tampering, or damage due to mishandling. Warranty specifically does not cover product damage that may result from using an air supply that produces more than 3.5 psi to inflate the HoverJack Devices. Equipment that has been neglected, improperly maintained, repaired or altered by someone other than an authorized representative of Manufacturer, or operated in anyway contrary to the operating instructions, shall void this warranty.

This warranty does not cover normal "wear and tear". Component parts, particularly any optional equipment, valve caps, their attachments and cords, will show wear with use over time and eventually may need to be refurbished or replaced. This normal type of wear is not covered by our warranty, but we will provide prompt, high quality repair service and parts at a nominal cost.

HOVERJACK® DEVICES USER MANUAL

Warranty Statement

HoverTech International's liability under this warranty and on any claim of any kind for any loss or damage arising out of, connected with, or resulting from the design, manufacture, sale, delivery, installation, repair or operation of its products, whether in contract or tort, including negligence, shall not exceed the purchase price paid for the product and upon expiration of the applicable warranty period, all such liability terminates. The remedies which this warranty provides are exclusive and HoverTech International shall not be liable for any incidental or consequential damages.

There are no warranties, express or implied, which extend beyond this warranty statement. The provisions of these warranty clauses are in lieu of all other warranties, expressed or implied, and of all other obligations or liabilities on HoverTech International's part and neither assumes nor authorizes any other person to assume for HoverTech International any other liability in connection with Manufacturer sale or lease of said products. HoverTech International makes no warranty of merchantability or fitness for a particular purpose. There is no warranty that the goods will be fit for a particular purpose. By accepting the goods, the buyer acknowledges that buyer has determined the goods are suitable for the buyer's purposes.

MANUFACTURER'S SPECIFICATIONS ARE SUBJECT TO CHANGE.

HOVERJACK® DEVICES USER MANUAL

Returns and Repairs

All products being returned to HoverTech International must have a Return Goods Authorization Number issued from the company. Please call 800-471-2776 for an RGA #. Any products returned without the necessary RGA # may cause a delay in the repair time. If the product is not covered under warranty, a minimum charge of \$100 will be assessed for each repair. Should a repair charge be assessed, HoverTech International will notify the facility and a purchase order for the repair will need to be issued before the repair can be completed. Lead-time for repairs is approximately 2 weeks. A fee of \$50 will be assessed if HoverJack Device is not properly cleaned for repair.

All products should be sent to:

HoverTech International
513 South Clewell St.
Bethlehem, PA 18015

Attn: Repair Dept./RGA # _____
Phone: 800-471-2776
Fax: 610-694-9601



T: 1300 106 003

F: 07 3036 6625

E: info@hmsmedical.com.au

www.hmsmedical.com.au

HoverTech International

513 South Clewell St.

Bethlehem, PA 18015

Phone: 800-471-2776

www.HoverMatt.com